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## WHAT IS CLAIMED IS:

1	1. A method of detecting a disc defect comprising the steps of:
2	writing a first data track to the disc with a write head including a write
3	element and a thermal asperity detector;
4	detecting magnetic defects on the first data track with a certification
5	head; and
6	scanning the first data track for thermal asperities with the thermal
7	asperity detector.

- 2. The method of claim 1, further including the steps of:
  writing a second data track to the disc;
  detecting magnetic defects on the second data track; and
  scanning the second data track for thermal asperities.
- 3. The method of claim 1, further including the step of:
  upon locating a thermal asperity during the step of scanning, writing a
  burst pattern to the disc in a location where a thermal asperity is detected wherein the
  burst pattern is detectable in further analysis of the disc.

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1	4.	A method of detecting magnetic and thermal asperities on a disc	
2	comprising the steps of:		
3		writing a first data stream to a first wide track on the disc with a write	
4	head located on a write head;		
5		reading the first data stream on a first portion of the first wide track for	
6	magnetic de	fects with a read element located on a certifier head; and	
7		scanning the first wide track for thermal asperities with a thermal	
8	asperity detector located on the write head.		
1	5.	The method of claim 4, further including the steps of:	

writing a second data stream to a second wide track on the disc with
the write element;
reading the second data stream on a second portion of the second wide
track for magnetic defects with the certifier head; and
scanning the second wide track for thermal asperities with the thermal
asperity detector.

6. The method of claim 4, further including the step of:
upon locating a thermal asperity during the step of scanning, writing a
burst pattern to the disc in a location where a thermal asperity is detected wherein the
burst pattern is detectable in further analysis of the disc.

7. The method of claim 4, further including the step of:
stopping writing of the first data stream on the first wide track while
reading the first data stream on a portion of first wide write track.

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1	8.	A testing system comprising:		
2		a disc drive having a spindle on which a disc can be mounted and		
3	motor for rot	ating the disc; and		
4		means for detecting thermal asperities and magnetic defects.		
1	9.	The testing system of claim 8, wherein the means for detecting thermal		
2	asperities is fabricated from magnetic material.			
1	10.	The testing system of claim 8, wherein the means for detecting thermal		
2	asperities is f	fabricated from nickel.		
1	11.	The testing system of claim 8, wherein the means for detecting thermal		
2	asperities is fabricated from a material picked from a group consisting of nickel,			
3	beryllium and	d nickel-iron.		
1	12.	The testing system of claim 8, wherein the means for detecting therma		
2	asperities has	s a width ranging from 10 microns to 100 microns.		
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1	13.	A testing system for detecting thermal asperities and magnetic defects	
2	on a disc comprising:		
3		a write head including a write element, the write head located on a first	
4	support arm wherein the write element is activated to write a track onto the disc		
5	during a first period;		
6		a thermal asperity detector, wherein the asperity detector is activated to	
7	detect asperi	ties during a second period; and	
8		a read head located on a second support arm wherein the read head is	
9	positioned to	read the track written by the write element.	
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1	14.	A testing system for detecting thermal asperities and magnetic defects
2	on a disc comprising:	
3		a write head including a write element and a thermal asperity detector,
4	the write head located on a first support arm wherein the write element is activated to	
5	write a track	onto the disc during a first period and the asperity detector is activated
6	to detect aspe	erities during a second period; and
7		a read head located on a second support arm wherein the read head is
8	positioned to	read the track written by the write element.

- 1 15. The testing system of claim 14 wherein the thermal asperity detector is 2 fabricated from a non-magnetic material.
- 1 16. The testing system of claim 14 wherein the thermal asperity detector is 2 fabricated from a material picked from a group consisting of nickel, beryllium and 3 nickel-iron.
  - 17. The testing system of claim 14 wherein the thermal asperity detector has a width ranging from about 10 microns to 100 microns.
- 1 18. The testing system of claim 14, wherein the thermal asperity detector is fabricated from nickel.
- 1 19. The testing system of claim 14, wherein the width of the write head is 2 from about 20 microns to 100 microns.
- 1 20. The testing system of claim 17, wherein the width of the write head is 2 about 75 microns.

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- 1 21. The testing system of claim 14, wherein the write element has a first
- width and the read element has a second width and a ratio of the first width to the
- 3 second width is from 2 to 11.